

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	24	(gps near4 inertial near4 measurement) and (host near4 (position or location))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/21 14:33
L2	34	(gps near4 imu) and (host near4 (position or location))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/21 14:33
S1	2	((("6622090") or ("6415227")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/10 15:05
S2	4	((("6516272") or ("6704574") or ("6292750") or ("6496778")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/03/16 17:17
S3	1	("6127970").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/03/16 16:11
S4	1	("6205400").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/03/16 16:12
S5	1	("6167347").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/03/16 16:13
S6	1	("6246960").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/03/16 16:14
S7	1	("6311129").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/03/16 16:14
S8	1	("6393292").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/03/16 16:15
S9	1	("6424914").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/03/16 16:16
S10	1	("6427122").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/03/16 16:16
S11	1	("6697736").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/03/16 16:17
S12	1	("6671622").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/03/16 16:18

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S13	1	("6639553").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/03/16 16:18
S14	1	("6477465").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/03/16 16:20
S15	1	("6489922").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/03/16 16:21
S16	1	("6480152").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/03/16 16:22
S17	1	("6677941").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/03/16 16:23
S18	1	("6516272").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/03/16 16:46
S19	22	(gps) and (navigat\$3) and (track\$3) and (group near3 server) and (group near3 member)	US-PGPUB; USPAT	OR	ON	2004/03/16 17:12
S20	1	"6353390".PN.	USPAT	OR	OFF	2004/03/16 16:51
S21	1	"6331825".PN.	USPAT	OR	OFF	2004/03/16 16:54
S22	1	"6100806".PN.	USPAT	OR	OFF	2004/03/16 16:55
S23	1	"6385461".PN.	USPAT	OR	OFF	2004/03/16 16:55
S24	1	"6317060".PN.	USPAT	OR	OFF	2004/03/16 16:57
S25	1	"5907293".PN.	USPAT	OR	OFF	2004/03/16 16:57
S26	1	"5579535".PN.	USPAT	OR	OFF	2004/03/16 17:04
S27	1	"5612883".PN.	USPAT	OR	OFF	2004/03/16 17:04
S28	1	"5539645".PN.	USPAT	OR	OFF	2004/03/16 17:04
S29	1	"5515419".PN.	USPAT	OR	OFF	2004/03/16 17:04
S30	1	"5504482".PN.	USPAT	OR	OFF	2004/03/16 17:05
S31	1	"5504482".PN.	USPAT	OR	OFF	2004/03/16 17:05
S32	1607	(gps) and (navigat\$3) and (track\$3) and (map\$4) and group	US-PGPUB; USPAT	OR	ON	2004/03/16 17:13
S33	1168	(gps) and (navigat\$3) and (track\$3) and (map\$4) and (video)	US-PGPUB; USPAT	OR	ON	2004/03/16 17:14
S34	20	(gps) and (navigat\$3) and (track\$3) and (view\$3 near3 map\$4) and host and client	US-PGPUB; USPAT	OR	ON	2004/03/16 17:16
S35	118	(gps) and (navigat\$3) and (track\$3) and (group near3 member)	US-PGPUB; USPAT	OR	ON	2004/03/16 17:17

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S36	13	(gps) and (navigat\$3) and (track\$3) and (group near3 member) and "340"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2004/03/16 17:20
S37	23	(gps) and (navigat\$3) and (track\$3) and (group near3 member) and "701"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2004/03/16 17:22
S38	61	(gps) and (navigat\$3) and (track\$3) and (group near3 member) and host	US-PGPUB; USPAT	OR	ON	2004/03/16 17:23
S39	23	(gps) and (navigat\$3) and (track\$3) and (group near3 client) and host	US-PGPUB; USPAT	OR	ON	2004/03/16 17:25
S40	50	multi\$track\$3 near3 unit	US-PGPUB; USPAT	OR	ON	2004/03/16 17:28
S41	220	gps and imu and integrat\$3	US-PGPUB; USPAT	OR	ON	2004/03/16 17:29
S42	119	gps and imu and integrat\$3 and group\$3	US-PGPUB; USPAT	OR	ON	2004/03/16 17:29
S43	7	gps and imu and integrat\$3 and group\$3 and host and client	US-PGPUB; USPAT	OR	ON	2004/03/16 17:30
S44	10	gps and imu and integrat\$3 and host and client	US-PGPUB; USPAT	OR	ON	2004/03/16 17:32
S45	2	gps and imu and (host near3 unit) and (client near3 unit)	US-PGPUB; USPAT	OR	ON	2004/03/16 17:33
S46	120	gps and imu and (map)	US-PGPUB; USPAT	OR	ON	2004/03/16 17:33
S47	58	gps and imu and (map) and video	US-PGPUB; USPAT	OR	ON	2004/03/16 17:38
S48	1107	gps and (video near3 display\$3) and group\$3	US-PGPUB; USPAT	OR	ON	2004/03/16 17:39
S49	395	gps and (video near3 image) and (display\$3 near3 map\$4)	US-PGPUB; USPAT	OR	ON	2004/03/16 17:40
S50	50	gps and (video near3 image) and (display\$3 near3 map\$4) and host and client	US-PGPUB; USPAT	OR	ON	2004/03/16 17:43
S51	394	gps and (video near3 image) and (display\$3 near3 map\$4) and position\$3	US-PGPUB; USPAT	OR	ON	2004/03/16 17:43
S52	1947	gps and (video near3 camera)	US-PGPUB; USPAT	OR	ON	2004/03/16 17:44
S53	395	gps and (video near3 camera) and (display\$3 near3 position)	US-PGPUB; USPAT	OR	ON	2004/03/16 17:45
S54	321	gps and (video near3 camera) and (display\$3 near3 position) and map\$4	US-PGPUB; USPAT	OR	ON	2004/03/16 17:45

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S55	116	gps and (video near3 camera) and (display\$3 near3 position) and map\$4 and ( encod\$3)	US-PGPUB; USPAT	OR	ON	2004/03/16 17:45
S56	50	gps and (video near3 camera) and (display\$3 near3 position) and map\$4 and ( encod\$3) and (decod\$3)	US-PGPUB; USPAT	OR	ON	2004/03/17 14:02
S57	1	("6209909").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/03/16 18:16
S58	1	"6014608".PN.	USPAT	OR	OFF	2004/03/16 17:52
S59	1	"5983161".PN.	USPAT	OR	OFF	2004/03/16 17:53
S60	1	"5952941".PN.	USPAT	OR	OFF	2004/03/16 17:57
S61	1	"5926126".PN.	USPAT	OR	OFF	2004/03/16 17:57
S62	1	"5926126".PN.	USPAT	OR	OFF	2004/03/16 17:57
S63	1	"5926117".PN.	USPAT	OR	OFF	2004/03/16 17:57
S64	1	"5901171".PN.	USPAT	OR	OFF	2004/03/16 17:57
S65	1	"5841367".PN.	USPAT	OR	OFF	2004/03/16 17:57
S66	1	"5809437".PN.	USPAT	OR	OFF	2004/03/16 17:58
S67	1	"5809437".PN.	USPAT	OR	OFF	2004/03/16 17:58
S68	1	"5774091".PN.	USPAT	OR	OFF	2004/03/16 17:58
S69	1	"5767953".PN.	USPAT	OR	OFF	2004/03/16 17:58
S70	1	("20010032236").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/03/16 18:18
S71	48	(authentication near3 approach\$3) and biometric	US-PGPUB; USPAT	OR	ON	2004/03/16 18:19
S72	3	(authentication near3 approach\$3) and biometric and entity and node	US-PGPUB; USPAT	OR	ON	2004/03/16 18:21
S73	37	(authentication near3 approach\$3) and biometric and physical and password	US-PGPUB; USPAT	OR	ON	2004/03/16 18:25
S74	21	(authentication near3 approach\$3) and biometric and physical and password and wireless	US-PGPUB; USPAT	OR	ON	2004/03/16 18:25
S75	4	(authentication near3 approach\$3) and biometric and physical and password and wireless and overview	US-PGPUB; USPAT	OR	ON	2004/03/16 18:25
S76	2592	gps and (conferenc\$3)	US-PGPUB; USPAT	OR	ON	2004/03/17 14:02
S77	263	gps and (conferenc\$3 near3 video)	US-PGPUB; USPAT	OR	ON	2004/03/17 14:03

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S78	108	gps and (conferenc\$3 near3 video) and (wireless near3 network\$3)	US-PGPUB; USPAT	OR	ON	2004/03/17 14:03
S79	13	gps and (conferenc\$3 near3 video) and (wireless near3 network\$3) and (display\$3 near3 map\$4)	US-PGPUB; USPAT	OR	ON	2004/03/17 14:08
S80	26	gps and (conferenc\$3 near3 video) and (display\$3 near3 map\$4)	US-PGPUB; USPAT	OR	ON	2004/03/17 14:11
S81	47	gps and (conferenc\$3 near3 video) and (display\$3 near3 location)	US-PGPUB; USPAT	OR	ON	2004/03/17 14:18
S82	1	("5917405").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/03/17 14:15
S83	3	gps and (display\$3 near3 location) and (host near3 position\$3) and (client near3 position\$3)	US-PGPUB; USPAT	OR	ON	2004/03/17 14:19
S84	45	gps and (display\$3 near3 location) and (host near3 position\$3)	US-PGPUB; USPAT	OR	ON	2004/03/17 14:23
S85	38	gps and (display\$3 near3 map\$4) and (host near3 position\$3)	US-PGPUB; USPAT	OR	ON	2004/03/17 14:24
S86	244	gps and (display\$3 near3 map\$4) and avoidance	US-PGPUB; USPAT	OR	ON	2004/03/17 14:25
S87	115	gps and (display\$3 near3 map\$4) and avoidance and (video)	US-PGPUB; USPAT	OR	ON	2004/03/17 14:36
S88	36	gps and (display\$3 near3 multiple) and avoidance and (video)	US-PGPUB; USPAT	OR	ON	2004/03/17 14:38
S89	3603	gps and (display\$3 near3 map\$4)	US-PGPUB; USPAT	OR	ON	2004/03/17 14:52
S90	89	(gps and (display\$3 near3 map\$4)) and "709"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2004/03/17 14:45
S91	164	(gps and (display\$3 near3 map\$4)) and (display\$3 near4 group\$3)	US-PGPUB; USPAT	OR	ON	2004/03/17 14:45
S92	8	(gps and (display\$3 near3 map\$4)) and (display\$3 near4 group\$3) and host and client	US-PGPUB; USPAT	OR	ON	2004/03/17 14:46
S93	77	(gps and (display\$3 near3 map\$4)) and (display\$3 near4 nearby)	US-PGPUB; USPAT	OR	ON	2004/03/17 14:46
S94	20	(host near3 position\$3) and (client near3 position\$3)	US-PGPUB; USPAT	OR	ON	2004/03/17 14:53
S95	389	(host near3 position\$3) and (user near3 position\$3)	US-PGPUB; USPAT	OR	ON	2004/03/17 14:53
S96	62	(host near3 position\$3) and (user near3 position\$3) and gps	US-PGPUB; USPAT	OR	ON	2004/03/17 15:06
S97	51	gps and (display\$3 with (nearby near3 (client or user or vehicle)))	US-PGPUB; USPAT	OR	ON	2004/03/17 15:20

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S98	1	("5,872,526").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/03/17 15:09
S99	1	"5636123".PN.	USPAT	OR	OFF	2004/03/17 15:15
S10 0	1	"5627546".PN.	USPAT	OR	OFF	2004/03/17 15:15
S10 1	1	"5596332".PN.	USPAT	OR	OFF	2004/03/17 15:16
S10 2	1	"5493309".PN.	USPAT	OR	OFF	2004/03/17 15:16
S10 3	1362	gps and (avoidance)	US-PGPUB; USPAT	OR	ON	2004/03/17 15:21
S10 4	24	(gps and (avoidance)) and "709"/\$. ccls.	US-PGPUB; USPAT	OR	ON	2004/03/17 15:20
S10 5	322	gps and (display\$3 near3 position\$3) and (avoidance)	US-PGPUB; USPAT	OR	ON	2004/03/17 15:22
S10 6	82	gps and (display\$3 near3 position\$3) and (avoidance) and (image near3 (map or video))	US-PGPUB; USPAT	OR	ON	2004/03/17 15:46
S10 7	263	gps and (video near3 conferenc\$3)	US-PGPUB; USPAT	OR	ON	2004/03/17 15:46
S10 8	64	gps and (video near3 conferenc\$3) and (display\$3 near3 image)	US-PGPUB; USPAT	OR	ON	2004/03/17 17:06
S10 9	19	"5907293"	US-PGPUB; USPAT	OR	ON	2004/03/17 17:07
S11 0	1	("5927293").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/03/17 17:07
S11 1	1	("5907293").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/03/17 18:15
S11 2	1	("5983161").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/03/17 18:36
S11 3	1	("6037991").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/03/17 19:23
S11 4	1972	(token) and sender and receiver	US-PGPUB; USPAT	OR	ON	2004/03/17 19:24
S11 5	602	(token) and sender and receiver and ((first or second) adj3 message)	US-PGPUB; USPAT	OR	ON	2004/03/17 19:25
S11 6	76	(token with unique) and sender and receiver and ((first or second) adj3 message)	US-PGPUB; USPAT	OR	ON	2004/03/17 19:46

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S11 7	142	(token with unique) and sender and receiver and (digital near2 signature)	US-PGPUB; USPAT	OR	ON	2004/03/17 19:46
S11 8	10	(token with unique) and sender and receiver and (digital near2 signature) and acknowledgement	US-PGPUB; USPAT	OR	ON	2004/03/17 19:47
S11 9	42	(token with unique) and sender and receiver and (digital near2 signature) and (first adj3 message)	US-PGPUB; USPAT	OR	ON	2004/03/17 19:48
S12 0	42	(token with unique) and sender and receiver and (digital near2 signature) and (first adj3 message) and second	US-PGPUB; USPAT	OR	ON	2004/03/17 19:48
S12 1	15	(token with unique) and sender and receiver and (digital near2 signature) and (first adj3 message) and (second adj3 message)	US-PGPUB; USPAT	OR	ON	2004/03/17 19:55
S12 2	0	(token near3 pool) and sender and receiver and (digital near2 signature) and (first adj3 message) and (second adj3 message)	US-PGPUB; USPAT	OR	ON	2004/03/17 19:55
S12 3	20	(token near3 pool) and sender and receiver and (first adj3 message) and (second adj3 message)	US-PGPUB; USPAT	OR	ON	2004/03/17 19:57
S12 4	19	(token near3 pool) and sender and receiver and (acknowledg\$7)	US-PGPUB; USPAT	OR	ON	2004/03/17 20:05
S12 5	0	(token near3 pool) and sender and receiver and (digital adj3 signature)	US-PGPUB; USPAT	OR	ON	2004/03/17 20:05
S12 6	458	(token) and sender and receiver and (digital adj3 signature)	US-PGPUB; USPAT	OR	ON	2004/03/17 20:06
S12 7	30	(token) and sender and receiver and (digital adj3 signature) and recycle and null	US-PGPUB; USPAT	OR	ON	2004/03/17 20:07
S12 8	84	(token) and sender and receiver and (digital adj3 signature) and (unreliab\$7)	US-PGPUB; USPAT	OR	ON	2004/03/17 20:18
S12 9	0	(token near3 pool) and sender and receiver and (null) and status	US-PGPUB; USPAT	OR	ON	2004/03/17 20:18
S13 0	28	(token near3 pool) and sender and receiver and status	US-PGPUB; USPAT	OR	ON	2004/03/17 20:22
S13 1	89	(token near3 status) and sender and receiver	US-PGPUB; USPAT	OR	ON	2004/03/17 20:23
S13 2	36	(token near3 status) and sender and receiver and un\$reliab\$7	US-PGPUB; USPAT	OR	ON	2004/03/18 15:36
S13 3	1	("5983161").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/03/18 15:36

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S13 4	8	"5907526"	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/17 15:57
S13 5	22	"5907293"	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/17 15:57
S13 6	2	((("5907293") or ("5872526")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/01/17 16:08
S13 7	19730	(vehicle near4 position) and track\$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/17 16:09
S13 8	256	(vehicle near4 position) and track\$3 and (wireless near3 internet)	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/17 16:09
S13 9	148	(vehicle near4 position) and track\$3 and (wireless near3 internet) and (display\$3 near3 map\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/17 16:10
S14 0	144	(vehicle near4 position) and track\$3 and (wireless near3 internet) and (display\$3 near3 map\$4) and gps	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/17 16:11
S14 1	40	(vehicle near4 location) and (track\$3 near3 position) and (wireless near3 internet) and (display\$3 near3 map\$4) and gps	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/17 16:16
S14 2	86	(vehicle near4 position) and (track\$3 near3 location) and (wireless near3 internet) and (display\$3 near3 map\$4) and gps	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/19 14:34
S14 3	1	("6,138,072").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/01/17 16:18
S14 4	1	("6477565").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/01/19 15:25
S14 5	1	("6546002").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/01/19 15:25
S14 6	52	(display\$3 near4 (vehicle near4 (location or position))) and (interact\$3 near3 communicat\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 15:17
S14 7	41	(display\$3 near4 (vehicle near4 (location or position))) and (interact\$3 near3 communicat\$3) and internet	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 15:06
S14 8	112	(display\$3 near4 (vehicle near4 (location or position))) and (other near4 vehicle)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 15:18



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S14 9	31	(display\$3 near4 (vehicle near4 (location or position))) and (other near4 vehicle) and internet	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 15:27
S15 0	74	((vehicle near4 (location or position))) and (other near4 vehicle) and internet and interact\$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 15:31
S15 1	599	(vehicle\$\$vehicle)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 15:31
S15 2	23	(vehicle\$\$vehicle) and video and audio and internet	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 15:33
S15 3	65	(display\$3 near4 (multiple near3 vehicle))	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 15:33
S15 4	21	(display\$3 near4 (multiple near3 vehicle)) and internet	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 15:35
S15 5	18	(display\$3 near4 (multiple near3 portable)) and internet	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 15:37
S15 6	725	(display\$3 near4 (vehicle near4 (position or location))) and internet	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 15:37
S15 7	88	(display\$3 near4 (vehicle near4 (position or location))) and internet and (vehicle near4 interact\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 15:42
S15 8	725	(display\$3 near4 (vehicle near4 (position or location))) and (internet)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 15:42
S15 9	106	(display\$3 near4 (vehicle near4 (position or location))) and (internet) and (@ad<="20000707")	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 15:47
S16 0	0	(display\$3 near4 ((other adj3 vehicle) near4 (position or location)))	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 15:48
S16 1	1	(display\$3 near4 ((other near3 vehicle) near4 (position or location)))	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 15:49
S16 2	17	(display\$3 near4 (other near3 vehicle))	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 16:04
S16 3	1	("6300870").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/10 15:51

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S16 4	1	("6195000").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/10 15:51
S16 5	1	("6178677").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/10 15:51
S16 6	1	("6154126").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/10 15:52
S16 7	1	("5973607").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/10 15:52
S16 8	1	("5905434").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/10 15:53
S16 9	1	("5949326").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/10 15:56
S17 0	3	((("6240443") or ("5974442") or ("5903901"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/10 15:57
S17 1	2	((("6279051") or ("6105121"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/10 15:58
S17 2	3	((("6154782") or ("6148067") or ("6122780"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/10 15:59
S17 3	9	((("6792412") or ("6678720") or ("6433795") or ("6348970") or ("6205479") or ("6185586") or ("6078948") or ("6061570") or ("6020884"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/10 16:01
S17 4	6	((("6230288") or ("6397250") or ("6699125") or ("6711264") or ("6795822") or ("6239793"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/10 16:02
S17 5	1	("6317592").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/10 16:02
S17 6	1668	(display\$3 near4 (vehicle near4 map\$4))	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 16:05
S17 7	141	(display\$3 near4 (vehicle near4 map\$4)) and (internet) and interact\$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 16:05
S17 8	112	(display\$3 near4 (vehicle near4 map\$4)) and (internet) and interact\$3 and track\$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 16:05

## EAST Search History

S17 9	30	(display\$3 near4 (vehicle near4 map\$4)) and (internet) and interact\$3 and (@ad<="20000707"))	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 16:12
S18 0	3	((("6236365") or ("6718263") or ("6697103")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/10 16:16
S18 1	21	(display\$3 near4 (vehicle near4 (position or location))) and (management near4 center) and internet	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 16:21
S18 2	251	(display\$3 near4 (position or location)) and (vehicle near4 interact\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 16:22
S18 3	136	(display\$3 near4 (position or location)) and (vehicle near4 interact\$3)and internet	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 16:43
S18 4	1	"6026345".PN.	USPAT; USOCR	OR	ON	2005/02/10 16:34
S18 5	1	"6023653".PN.	USPAT; USOCR	OR	ON	2005/02/10 16:35
S18 6	1	"5959577".PN.	USPAT; USOCR	OR	ON	2005/02/10 16:35
S18 7	1	"5904727".PN.	USPAT; USOCR	OR	ON	2005/02/10 16:37
S18 8	1	"5758313".PN.	USPAT; USOCR	OR	ON	2005/02/10 16:40
S18 9	1	"5557254".PN.	USPAT; USOCR	OR	ON	2005/02/10 16:41
S19 0	94	(display\$3 near4 (position or location)) and (imu and gps)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 16:43
S19 1	31	(display\$3 near4 (position or location)) and (imu and gps) and internet	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 17:12
S19 2	1	"6510172".PN.	USPAT; USOCR	OR	ON	2005/02/10 17:00
S19 3	1	"6400754".PN.	USPAT; USOCR	OR	ON	2005/02/10 17:00
S19 4	1	"6271786".PN.	USPAT; USOCR	OR	ON	2005/02/10 17:00
S19 5	1	"6239738".PN.	USPAT; USOCR	OR	ON	2005/02/10 17:00
S19 6	1	"6181273".PN.	USPAT; USOCR	OR	ON	2005/02/10 17:00
S19 7	1	"6181273".PN.	USPAT; USOCR	OR	ON	2005/02/10 17:01

## EAST Search History

S19 8	1	"6121915".PN.	USPAT; USOCR	OR	ON	2005/02/10 17:01
S19 9	1	"6054950".PN.	USPAT; USOCR	OR	ON	2005/02/10 17:01
S20 0	1	"6014608".PN.	USPAT; USOCR	OR	ON	2005/02/10 17:01
S20 1	1	"5991279".PN.	USPAT; USOCR	OR	ON	2005/02/10 17:02
S20 2	1	"5983161".PN.	USPAT; USOCR	OR	ON	2005/02/10 17:02
S20 3	1	"5952941".PN.	USPAT; USOCR	OR	ON	2005/02/10 17:02
S20 4	1	"5930292".PN.	USPAT; USOCR	OR	ON	2005/02/10 17:03
S20 5	1	"5926126".PN.	USPAT; USOCR	OR	ON	2005/02/10 17:03
S20 6	1	"5926126".PN.	USPAT; USOCR	OR	ON	2005/02/10 17:03
S20 7	1	"5926117".PN.	USPAT; USOCR	OR	ON	2005/02/10 17:03
S20 8	1	"5912644".PN.	USPAT; USOCR	OR	ON	2005/02/10 17:03
S20 9	1	"5901171".PN.	USPAT; USOCR	OR	ON	2005/02/10 17:04
S21 0	1	"5841367".PN.	USPAT; USOCR	OR	ON	2005/02/10 17:04
S21 1	1	"5861834".PN.	USPAT; USOCR	OR	ON	2005/02/10 17:04
S21 2	1	"5809064".PN.	USPAT; USOCR	OR	ON	2005/02/10 17:04
S21 3	1	"5767953".PN.	USPAT; USOCR	OR	ON	2005/02/10 17:04
S21 4	73	(vehicle\$\$\$vehicle near3 communicat\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 17:13
S21 5	19	(vehicle\$\$\$vehicle near3 communicat\$3) and internet	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 17:44
S21 6	0	("6862500").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/10 17:15
S21 7	0	(vehicle\$\$\$vehicle near3 interact\$3) and internet	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 17:44

## EAST Search History

S21 8	107	(vehicle\$\$\$vehicle) and internet	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 17:44
S21 9	30	(vehicle\$\$\$vehicle) and internet and (display\$3 near4 (position or location))	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 17:51
S22 0	1315	(portable near4 track\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 17:54
S22 1	40	S220 and vehicle and (map\$4 near3 information)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 17:52
S22 2	159	(portable near4 track\$3) and (vehicle near4 (position or location))	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 17:54
S22 3	50	(portable near4 track\$3) and (vehicle near4 (position or location)) and internet	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 18:05
S22 4	146	(multiple near5 (vehicle near4 (position or location))) and internet	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 18:05
S22 5	139	(multiple near5 (vehicle near4 (position or location))) and internet and display\$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 18:06
S22 6	126	(multiple near5 (vehicle near4 (position or location))) and internet and display\$3 and track\$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 18:17
S22 7	150	(vehicle near4 (position or location)) and internet and (display\$3 near4 multiple) and track\$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 18:18
S22 8	120	(vehicle near4 (position or location)) and internet and (display\$3 near4 multiple) and track\$3 and interact\$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 18:19
S22 9	21	(vehicle near4 (position or location)) and internet and (display\$3 near4 multiple) and track\$3 and interact\$3 and (@ad<="20000708")	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 18:21
S23 0	5	(vehicle\$\$to\$\$vehicle) and chat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 18:22
S23 1	8	(mobile\$\$mobile) and chat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 18:30
S23 2	100	(mobile\$\$mobile) and interact\$4	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 18:30

## EAST Search History

S23 3	8	(mobile\$\$mobile) and interact\$4 and (display\$3 near4 (position or location))	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 18:31
S23 4	34	(mobile\$\$mobile) and interact\$4 and position and location	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 19:16
S23 5	67	(vehicle\$\$vehicle) and interact\$4 and position and location	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 19:18
S23 6	7801	(portable near3 (device or unit)) and interact\$4 and position and location	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 19:19
S23 7	6371	(portable near3 (device)) and interact\$4 and position and location	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/10 19:19
S23 8	2233	(portable near3 (device)) and interact\$4 and (display\$3 near4 (position or location))	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 09:09
S23 9	16	(fleet near4 interact\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 09:12
S24 0	16688	(portable near4 (unit or device)) and (interact\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 09:13
S24 1	2786	(portable near4 (unit or device)) and (interact\$3) and (display\$3 near4 (location or position))	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 09:13
S24 2	1104	(portable near4 (unit or device)) and (interact\$3) and (display\$3 near4 (location or position)) and video and audio	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 09:13
S24 3	396	(portable near4 (unit or device)) and (interact\$3) and (display\$3 near4 (location or position)) and video and audio and (@ad<="20000707")	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 09:14
S24 4	103	(portable near4 (unit or device)) and (interact\$3) and (display\$3 near4 (location or position)) and video and audio and (@ad<="20000707") and vehicle	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 09:14
S24 5	0	(portable near4 (unit or device)) and (interact\$3) and (display\$3 near4 (location or position)) and video and audio and (@ad<="20000707") and vehicle and gps and IMU	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 09:14

## EAST Search History

S24 6	0	(portable near4 (unit or device)) and (interact\$3) and (display\$3 near4 (location or position)) and video and audio and (@ad<="20000707")and gps and IMU	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 09:15
S24 7	1	(portable near4 (unit or device)) and (interact\$3) and (display\$3 near4 (location or position)) and video and audio and gps and IMU	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 09:15
S24 8	2	(portable near4 (unit or device)) and (display\$3 near4 (location or position)) and video and audio and gps and IMU	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 09:16
S24 9	7	(portable near4 (unit or device)) and video and audio and gps and IMU	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 09:17
S25 0	17	(portable near4 (unit or device)) and (display\$3 near4 (position or location)) and gps and IMU	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 09:19
S25 1	27	(mobile near4 (unit or device)) and (display\$3 near4 (position or location)) and gps and IMU	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 09:23
S25 2	1060	(mobile near4 (unit or device)) and (display\$3 near4 (position or location)) and (map\$4 near4 information)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 09:24
S25 3	246	(mobile near4 (unit or device)) and (display\$3 near4 (position or location)) and (map\$4 near4 information) and vehicle and video and audio	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 09:24
S25 4	164	(mobile near4 (unit or device)) and (display\$3 near4 (position or location)) and (map\$4 near4 information) and vehicle and video and audio and interact\$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 09:25
S25 5	147	(mobile near4 (unit or device)) and (display\$3 near4 (position or location)) and (map\$4 near4 information) and vehicle and video and audio and interact\$3 and internet	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 09:25
S25 6	128	(mobile near4 (unit or device)) and (display\$3 near4 (position or location)) and (map\$4 near4 information) and vehicle and video and audio and interact\$3 and internet and portable	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 09:25

## EAST Search History

S25 7	61	(mobile near4 (unit or device)) and (display\$3 near4 (position or location)) and (map\$4 near4 information) and vehicle and video and audio and interact\$3 and internet and portable and encod\$3 and decod\$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 09:32
S25 8	63	(mobile near4 (unit or device)) and (display\$3 near4 (position or location)) and (map\$4 near4 information) and vehicle and video and audio and internet and portable and encod\$3 and decod\$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 09:35
S25 9	186	(mobile near4 (unit or device)) and (display\$3 near4 (position or location)) and (map\$4 near4 information) and vehicle and video and audio and internet	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 09:35
S26 0	47	(mobile near4 (unit or device)) and (display\$3 near4 (position or location)) and (map\$4 near4 information) and vehicle and video and audio and internet and (@ad<="20000707")	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 09:44
S26 1	1	"5850618".PN.	USPAT; USOCR	OR	ON	2005/02/11 09:41
S26 2	1	"5806018".PN.	USPAT; USOCR	OR	ON	2005/02/11 09:41
S26 3	1	"5625668".PN.	USPAT; USOCR	OR	ON	2005/02/11 09:42
S26 4	1	"5577122".PN.	USPAT; USOCR	OR	ON	2005/02/11 09:42
S26 5	1	"5565874".PN.	USPAT; USOCR	OR	ON	2005/02/11 09:42
S26 6	1	"5559520".PN.	USPAT; USOCR	OR	ON	2005/02/11 09:43
S26 7	1	"5396254".PN.	USPAT; USOCR	OR	ON	2005/02/11 09:43
S26 8	38	(mobile near4 (unit or device)) and (display\$3 near4 (vehicle adj4 (position or location))) and (map\$4 near4 information) and video and audio and internet	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 09:55
S26 9	1	(mobile near4 (unit or device)) and (shar\$3 near4 (vehicle adj4 (position or location))) and (map\$4 near4 information) and video and audio and internet	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 09:56



## EAST Search History

S27 0	4	(mobile near4 (unit or device)) and (shar\$3 near4 (vehicle adj4 (position or location))) and (map\$4 near4 information)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 11:32
S27 1	131	(mobile near4 (unit or device)) and (shar\$3 near4 ((position or location))) and (map\$4 near4 information)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 09:58
S27 2	97	(mobile near4 (unit or device)) and (shar\$3 near4 ((position or location))) and (map\$4 near4 information) and vehicle	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 09:59
S27 3	42	(mobile near4 (unit or device)) and (shar\$3 near4 ((position or location))) and (map\$4 near4 information) and vehicle and (@ad<="20000707")	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 11:06
S27 4	1	("6397040").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/11 10:31
S27 5	1	("6603970").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/11 10:31
S27 6	67	(mobile near4 (unit or device)) and (shar\$3 near4 ((position or location))) and (map\$4 near4 information) and vehicle and (interact\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 11:07
S27 7	67	(mobile near4 (unit or device)) and (shar\$3 near4 ((position or location))) and (map\$4 near4 information) and vehicle and (interact\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 11:10
S27 8	60	(mobile near4 (unit or device)) and (shar\$3 near4 ((position or location))) and (map\$4 near4 information) and vehicle and (interact\$3) and internet	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 11:27
S27 9	99	(mobile near4 (unit or device)) and (shar\$3 near4 ((position or location))) and (map\$4 near4 information)and internet	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 11:27
S28 0	42	(mobile near4 (unit or device)) and (shar\$3 near4 ((position or location))) and (map\$4 near4 information)and internet and (@ad<="20000707")	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 11:30

## EAST Search History

S28 1	1	("6720920").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/11 11:30
S28 2	431	(display\$3 near4 (vehicle adj3 (position or location))) and internet	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 11:33
S28 3	65	(display\$3 near4 (vehicle adj3 (position or location))) and internet and (@ad<="20000707")	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 11:52
S28 4	251	(display\$3 near4 (position or location)) and (vehicle near4 interact\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 15:27
S28 5	136	(display\$3 near4 (position or location)) and (vehicle near4 interact\$3) and internet	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 15:27
S28 6	24	(display\$3 near4 (position or location)) and (vehicle near4 interact\$3) and internet and (@ad<="20000707")	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 15:32
S28 7	41	(display\$3 near4 (position or location)) and (mobile near4 interact\$3) and internet and (@ad<="20000707")	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 15:33
S28 8	14	(display\$3 near4 (position or location)) and (mobile near4 interact\$3) and internet and (@ad<="20000707") and vehicle	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 15:38
S28 9	81	(mobile\$\$\$mobile near4 communicat\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 15:39
S29 0	8	(mobile\$\$\$mobile near4 communicat\$3) and vehicle	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 15:39
S29 1	77	(vehicle\$\$\$vehicle near5 communicat\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 15:53
S29 2	20	(vehicle\$\$\$vehicle near5 communicat\$3) and internet	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 15:40
S29 3	100	(vehicle\$\$\$vehicle) and location and position and map\$4	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 15:54
S29 4	48	(vehicle\$\$\$vehicle) and location and position and map\$4 and internet	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 16:22
S29 5	0	(mobile\$\$\$mobile near5 interact\$3) and (display\$3 near4 (position or loction))	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 16:23

## EAST Search History

S29 6	0	(mobile\$\$\$mobile near5 interact\$3) and (display\$3 near4 (position or location))	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 16:23
S29 7	14	(mobile\$\$\$mobile) and (display\$3 near4 (position or location))	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 16:30
S29 8	1	("6185426").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/11 16:32
S29 9	1	("6091952").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/11 16:34
S30 0	1	("6360102").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/11 16:35
S30 1	1	("6529143").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/11 16:39
S30 2	1	("6091957").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/11 16:53
S30 3	1018	(map\$4 near3 information) and (track\$3 near4 (position or location)) and internet	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 16:54
S30 4	259	(map\$4 near3 information) and (display\$3 near4 (position or location)) and internet and (track\$3 near4 (vehicle or mobile))	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 16:55
S30 5	58	(map\$4 near3 information) and (display\$3 near4 (position or location)) and internet and (track\$3 near4 (vehicle or mobile)) and (@ad<="20000707")	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 17:40
S30 6	1	"20010044310".PN.	US-PGPUB	OR	ON	2005/02/11 17:35
S30 7	1	"6470181".PN.	USPAT; USOCR	OR	ON	2005/02/11 17:35
S30 8	1	"6331825".PN.	USPAT; USOCR	OR	ON	2005/02/11 17:36
S30 9	1	"6292743".PN.	USPAT; USOCR	OR	ON	2005/02/11 17:36
S31 0	1	"6243039".PN.	USPAT; USOCR	OR	ON	2005/02/11 17:37
S31 1	1	"6216157".PN.	USPAT; USOCR	OR	ON	2005/02/11 17:37
S31 2	1	"6154727".PN.	USPAT; USOCR	OR	ON	2005/02/11 17:37

## EAST Search History

S31 3	1	"6088594".PN.	USPAT; USOCR	OR	ON	2005/02/11 17:37
S31 4	1	"5936530".PN.	USPAT; USOCR	OR	ON	2005/02/11 17:38
S31 5	1	"5802468".PN.	USPAT; USOCR	OR	ON	2005/02/11 17:38
S31 6	1	"5546445".PN.	USPAT; USOCR	OR	ON	2005/02/11 17:38
S31 7	3	(map\$4 near3 information) and (display\$3 near4 (position or location)) and internet and (group near4 locator)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 17:41
S31 8	7	(map\$4 near3 information) and internet and (group near4 locator)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 17:42
S31 9	1668	(map\$4 near3 information) and internet and (locator)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 17:42
S32 0	24	(map\$4 near3 information) and internet and (locator near4 vehicle)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 17:48
S32 1	222	(host near4 location) and internet and (client near4 location)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 17:48
S32 2	85	(host near4 location) and internet and (client near4 location) and mobile	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 17:48
S32 3	31	(host near4 location) and internet and (client near4 location) and mobile and vehicle	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 17:55
S32 4	1	(host near4 location) and internet and (client near4 location) and (display\$3 near4 (map\$4 near3 information))	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 17:57
S32 5	222	(host near4 location) and internet and (client near4 location)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 17:57
S32 6	185	(host near4 location) and internet and (client near4 location) and display\$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 17:58
S32 7	50	(host near4 location) and internet and (client near4 location) and display\$3 and interact\$3 and video and audio	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 17:58

## EAST Search History

S32 8	14	(host near4 location) and internet and (client near4 location) and display\$3 and interact\$3 and video and audio and mobile	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 18:06
S32 9	1	"6411965".PN.	USPAT; USOCR	OR	ON	2005/02/11 18:02
S33 0	1	"6308201".PN.	USPAT; USOCR	OR	ON	2005/02/11 18:02
S33 1	1	"6308201".PN.	USPAT; USOCR	OR	ON	2005/02/11 18:03
S33 2	1	"6301609".PN.	USPAT; USOCR	OR	ON	2005/02/11 18:03
S33 3	1	"6240097".PN.	USPAT; USOCR	OR	ON	2005/02/11 18:03
S33 4	1	"6216158".PN.	USPAT; USOCR	OR	ON	2005/02/11 18:03
S33 5	1	"6175860".PN.	USPAT; USOCR	OR	ON	2005/02/11 18:03
S33 6	1	(host near4 location) and internet and (client near4 location) and display\$3 and (mobile near4 gam\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 18:06
S33 7	0	(host near4 location) and internet and (client near4 location) and display\$3 and (vehicle near4 gam\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 18:07
S33 8	229	internet and display\$3 and (vehicle near4 gam\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 18:07
S33 9	7	internet and display\$3 and (vehicle near4 gam\$3) and (map\$4 near4 information)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 18:09
S34 0	7	internet and (vehicle near4 gam\$3) and (map\$4 near4 information)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 18:09
S34 1	1021	internet and (mobile) and (map\$4 near4 information) and (display\$3 near3 (location or position))	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 18:10
S34 2	678	internet and (mobile) and (map\$4 near4 information) and (display\$3 near3 (location or position)) and vehicle	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 18:10
S34 3	230	internet and (mobile) and (map\$4 near4 information) and (display\$3 near3 (vehicle near4 (location or position)))	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 18:11

## EAST Search History

S34 4	105	internet and (map\$4 near4 information) and (display\$3 near3 (vehicle near4 (location or position))) and ((portable or mobile) near3 unit)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 18:11
S34 5	15	internet and (map\$4 near4 information) and (display\$3 near3 (vehicle near4 (location or position))) and ((portable or mobile) near3 unit) and (@ad<="20000707")	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 19:07
S34 6	23771	(track\$3).ti.	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 19:07
S34 7	1534	S346 and ((mobile or vehicle) near4 (position or location))	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 19:08
S34 8	131	S346 and ((mobile or vehicle) near4 (position or location)) and (map\$4 near4 information)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 19:09
S34 9	48	S346 and ((mobile or vehicle) near4 (position or location)) and (map\$4 near4 information) and (@ad<="20000707")	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 19:25
S35 0	5	S346 and ((mobile or vehicle) near4 (position or location)) and (map\$4 near4 information) and (@ad<="20000707") and internet	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 19:51
S35 1	1	("20040148090").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/11 19:51
S35 2	115	(group near4 interact\$3) and ((mobile or vehicle) near3 (position or location))	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 19:52
S35 3	67	(group near4 interact\$3) and ((mobile or vehicle) near3 (position or location)) and map\$4	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 19:58
S35 4	24	(group near4 interact\$3) and ((mobile or vehicle) near3 (position or location)) and map\$4 and (@ad<="20000707")	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 19:59
S35 5	961	(user near4 interact\$3) and ((mobile or vehicle) near3 (position or location)) and map\$4	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 19:58
S35 6	267	(user near4 interact\$3) and ((mobile or vehicle) near3 (position or location)) and map\$4 and (@ad<="20000707")	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 19:59

## EAST Search History

S35 7	47	(user near4 interact\$3) and ((mobile or vehicle) near3 (position or location)) and (display\$3 near3 map\$4) and (@ad<="20000707")and internet	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 20:04
S35 8	2	(mobile\$\$\$mobile near5 interact\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/11 20:07
S35 9	1	("6373430").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/11 20:09
S36 0	1	("6625458").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/11 20:12
S36 1	1	("5355511").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/11 20:15
S36 2	10	((("6266533") or ("6301609") or ("6397074") or ("6449486") or ("6477486") or ("6477353") or ("6373430") or ("6542750") or ("6542749") or ("6625458"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/11 20:21
S36 3	5	((("6032051") or ("6377793") or ("6553236") or ("6748195") or ("6389291"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/12 09:59
S36 4	1	("5963161").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/12 10:00
S36 5	1	("5983161").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/12 10:08
S36 6	1	("6151628").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/12 10:09
S36 7	1	("6282454").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/12 10:09
S36 8	1	("6151625").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/12 10:12
S36 9	2	((("6704574") or ("20020059420"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/12 10:23
S37 0	1	("6456854").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/12 10:28
S37 1	1	"20010014911".PN.	US-PGPUB	OR	ON	2005/02/12 10:23

## EAST Search History

S37 2	1	"20010013037".PN.	US-PGPUB	OR	ON	2005/02/12 10:23
S37 3	1	"20010011248".PN.	US-PGPUB	OR	ON	2005/02/12 10:23
S37 4	1	"20010005839".PN.	US-PGPUB	OR	ON	2005/02/12 10:24
S37 5	1	"6321091".PN.	USPAT; USOCR	OR	ON	2005/02/12 10:24
S37 6	1	"6243039".PN.	USPAT; USOCR	OR	ON	2005/02/12 10:24
S37 7	1	"6223291".PN.	USPAT; USOCR	OR	ON	2005/02/12 10:26
S37 8	1	"6216129".PN.	USPAT; USOCR	OR	ON	2005/02/12 10:26
S37 9	1	"6215790".PN.	USPAT; USOCR	OR	ON	2005/02/12 10:26
S38 0	1	"6208866".PN.	USPAT; USOCR	OR	ON	2005/02/12 10:26
S38 1	1	"6199045".PN.	USPAT; USOCR	OR	ON	2005/02/12 10:27
S38 2	31	(track\$3 same internet).ti.	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/12 10:28
S38 3	6	(track\$3 same internet).ti. and (display\$3 near4 (position or location))	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/12 10:30
S38 4	12	(track\$3 same internet).ti. and (mobile or vehicle)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/12 10:31
S38 5	454	chern.in.	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/12 10:31
S38 6	9	(vincent near4 chern).in.	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/12 10:33
S38 7	1	("6720920").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/12 10:42
S38 8	1	("5848373").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/12 10:42
S38 9	31	(track\$3 same internet).ti.	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/12 10:44



## EAST Search History

S39 0	3	((("5917405") or ("6075783") or ("6176099")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/12 10:46
S39 1	3	((("6147598") or ("6199045") or ("6202023")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/12 10:51
S39 2	0	("(track\$3anddisplay\$3andlocationandpositionand(mobileorvehicle)andinternetand(map\$4near4information)").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/12 10:51
S39 3	1609	(track\$3 and display\$3 and location and position) and (mobile or vehicle) and internet and (map\$4 near4 information)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/12 10:53
S39 4	732	(track\$3 and display\$3 and location and position) and (mobile or vehicle) and internet and (map\$4 near4 information) and video and audio	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/12 10:53
S39 5	357	(track\$3 and display\$3 and location and position) and (mobile or vehicle) and internet and (map\$4 near4 information) and video and audio and encod\$3 and decod\$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/12 10:53
S39 6	95	(track\$3 and display\$3 and location and position) and (mobile or vehicle) and internet and (map\$4 near4 information) and video and audio and encod\$3 and decod\$3 and (@ad<="19991201")	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/12 10:54
S39 7	58	(track\$3 and display\$3 and location and position) and (mobile or vehicle) and internet and (map\$4 near4 information) and video and audio and encod\$3 and decod\$3 and (@ad<="19991201") and host and client	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/12 11:04
S39 8	95	((track\$3 and display\$3 and location and position) and (mobile or vehicle) and internet and (map\$4 near4 information) and video and audio and encod\$3 and decod\$3 and (@ad<="19991201"))	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/12 11:32
S39 9	2	((("6704574") or ("20020059420")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/12 12:13
S40 0	1	("6317605").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/12 12:17

## EAST Search History

S40 1	1	("2000357296").PN.	JPO	OR	OFF	2005/02/12 14:34
S40 2	0	("6720920").PN.	JPO	OR	OFF	2005/02/12 14:34
S40 3	1	("6720920").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/14 12:21
S40 4	1	("6324581").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/14 12:21
S40 5	0	("gpsnear10imu").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/18 12:21
S40 6	297	(gps near10 imu)	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/18 12:22
S40 7	85	(gps near10 imu) and track\$3 and wireless	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/18 12:23
S40 8	83	(gps near10 imu) and track\$3 and wireless and location	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/18 12:25
S40 9	54	(gps near10 imu) and track\$3 and wireless and location and host	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/18 12:31
S41 0	13	(gps near10 imu near10 compensat\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/18 12:31
S41 1	13	(gps near10 imu near10 compensat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/18 12:43
S41 2	0	(gps near10 imu near10 un\$available)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/18 12:44
S41 3	25	(gps near10 imu near10 available)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/18 12:48
S41 4	71	(gps near10 imu near10 kalman)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/18 12:48

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S41 5	23	(gps near10 imu near10 kalman) and host	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/18 12:48
S41 6	23	(gps near10 imu near10 kalman) and host and location	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/18 12:57
S41 7	0	(gps near10 (inertial adj3 measurement) near10 kalman) and host and location	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/18 12:58
S41 8	21	(gps near10 (inertial adj3 measurement) near10 kalman)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/18 12:58
S41 9	1	("6525768").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/18 13:25
S42 0	0	("(stacknear4guard)andcorrupt\$3"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/18 16:08
S42 1	1	("6525768").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/21 10:17
S42 2	0	("(gpsnear4imu)").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/21 10:18
S42 3	247	(gps near4 imu)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/21 10:18
S42 4	126	(gps near4 imu) and "701"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/21 10:18
S42 5	83	(gps near4 imu) and "701"/\$.ccls. and compensat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/21 10:18
S42 6	11	(gps near4 imu) and "701"/\$.ccls. and compensat\$3 and client and host	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/21 10:20
S42 7	27	(gps near4 imu) and "701"/\$.ccls. and compensat\$3 and host	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/21 10:25

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S42 8	37	(gps near4 imu) and "701"/\$.ccls. and host	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/21 10:46
S42 9	6	(gps near4 imu near4 compensat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/21 10:48
S43 0	12	(gps near4 imu) and decentraliz\$5	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/21 10:49
S43 1	34	(gps near4 imu) and (host near4 (position or location))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/21 13:59



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1 [A simulation of an imbedded software system for global positioning system](#)



[navigation](#)

Jon Vavrus

December 1985 **Proceedings of the 17th conference on Winter simulation**

**Publisher:** ACM Press

Full text available: [pdf\(419.39 KB\)](#) Additional Information: [full citation](#), [abstract](#)

A set of software was developed to allow the execution of a set of real time navigation code on a host computer. This program (STM) allowed the debugging and testing of the real time software to be done in an environment containing a large variety of software tools. The program simulated Global Positioning System (radio ranging), and Inertial Measurement System inputs for the target software. It was found that the simulator performed adequately and enhanced our ability to deliver the workin ...

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### 1 [A successful example of a layered-architecture based embedded development with](#)



#### [Ada 83 for standard-missile control](#)

Kelly L. Spicer

December 2000 **ACM SIGAda Ada Letters**, Volume XX Issue 4

Publisher: ACM Press

Full text available: pdf(984.57 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

A need for a standard understandable software architecture that can be reused from project to project has long been recognized. This paper describes the software architecture used for the Standard-Missile-3 (SM-3), Stage-3 development program. The architecture was defined based on hierarchical principles with the goal of providing a general solution for the architecture-level design for embedded systems. An architecture-need statement is first presented listing the attributes of the needed archi ...

### 2 [A simulation of an imbedded software system for global positioning system navigation](#)



Jon Vavrus

December 1985 **Proceedings of the 17th conference on Winter simulation**

Publisher: ACM Press

Full text available: pdf(419.39 KB) Additional Information: [full citation](#), [abstract](#)

A set of software was developed to allow the execution of a set of real time navigation code on a host computer. This program (STM) allowed the debugging and testing of the real time software to be done in an environment containing a large variety of software tools. The program simulated Global Positioning System (radio ranging), and Inertial Measurement System inputs for the target software. It was found that the simulator performed adequately and enhanced our ability to deliver the workin ...

### 3 [Ambient functionality: Ambient functionality: use cases](#)



Eija Kaasinen, Timo Tuomisto, Pasi Välikkynen

October 2005 **Proceedings of the 2005 joint conference on Smart objects and ambient intelligence: innovative context-aware services: usages and technologies sOc-EUSAI '05**

Publisher: ACM Press

Full text available: pdf(215.13 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

In this paper we describe use cases and user requirements for ambient intelligence applications on personal mobile devices. Wireless connections to tags and sensors provide mobile applications with different identification, measurement and context data. Mobile

applications that utilise local connectivity share many common patterns. We have identified these common patterns and describe them as use cases related to physical selection, activating applications, sensing and context-awareness. Based o ...

4 Planning and resource allocation for hard real-time, fault-tolerant plan execution



Ella M. Atkins, Tarek F. Abdelzaher, Kang G. Shin, Edmund H. Durfee

April 1999 **Proceedings of the third annual conference on Autonomous Agents**

**Publisher:** ACM Press

Full text available: [pdf\(1.01 MB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

5 Applications: Data collection, storage, and retrieval with an underwater sensor network



I. Vasilescu, K. Kotay, D. Rus, M. Dunbabin, P. Corke

November 2005 **Proceedings of the 3rd international conference on Embedded networked sensor systems SenSys '05**

**Publisher:** ACM Press

Full text available: [pdf\(531.60 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In this paper we present a novel platform for underwater sensor networks to be used for long-term monitoring of coral reefs and fisheries. The sensor network consists of static and mobile underwater sensor nodes. The nodes communicate point-to-point using a novel high-speed optical communication system integrated into the TinyOS stack, and they broadcast using an acoustic protocol integrated in the TinyOS stack. The nodes have a variety of sensing capabilities, including cameras, water temperatu ...

**Keywords:** data muling, mobile sensor networks, underwater networks

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Digital Object Identifier 10.1109/MAES.2005.1514768  
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Leonessa, A.; Mandello, J.; Morel, Y.; Vidal, M.;  
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Seong-Baek Kim; Seung-Yong Lee; Ji-Hoon Choi; Kyoung-Ho Choi; Byung-Tae Jang;  
Vehicular Technology Conference, 2003. VTC 2003-Fall. 2003 IEEE 58th  
Volume 4, 6-9 Oct. 2003 Page(s):2750 - 2753 Vol.4  
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Yun, X.; Hernandez, G.C.; Bachmann, E.R.; McGhee, R.B.; Healey, A.J.;  
Autonomous Underwater Vehicles, 1998. AUV'98. Proceedings Of The 1998 Workshop  
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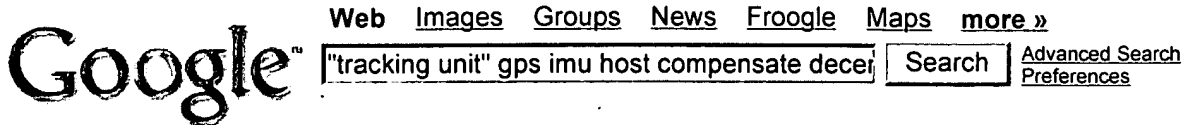
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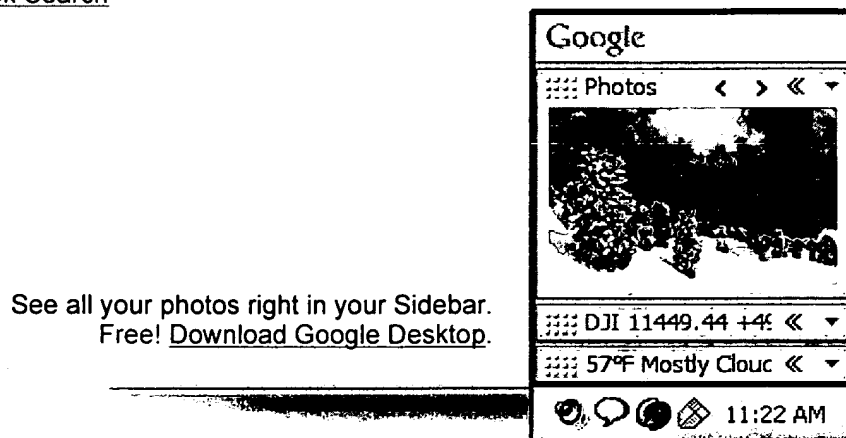
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**MAGR** - Miniaturized Airborne **GPS** [=Global Positioning System] Receiver {eng} ... **MCXO** - Microcomputer **Compensated** Crystal Oscillator {eng} ...

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